

L & LE SERIES

SLIMLINE COMPACT 1U FRONT-ENDS

Up to 400 Watts - Hot Swap & Chassis Mount

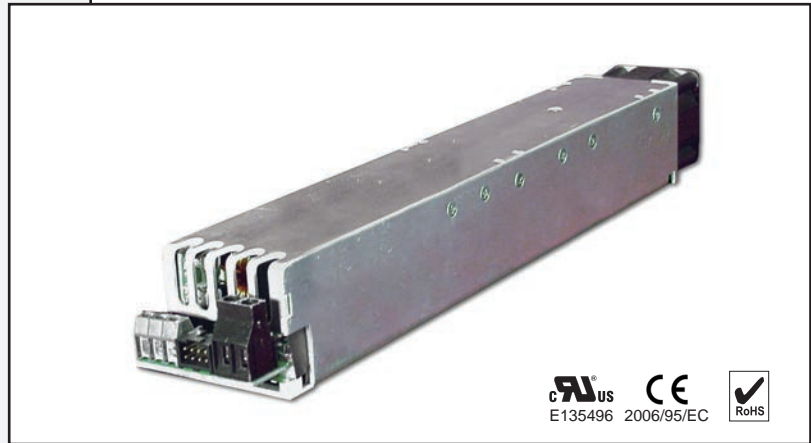
FEATURES

- ◆ 12, 24 or 48 VDC Outputs
- ◆ Class B Conducted EMI
- ◆ Up to 11 Watts/Cubic Inch
- ◆ 1U High Slimline Package
- ◆ Hot-Swappable & Chassis Mount
- ◆ Staged Pin Engagement
- ◆ Low Drop ORing Circuit
- ◆ Droop Current Sharing
- ◆ Universal 85 to 264VAC Input
- ◆ Control & Monitoring Features

TWO YEAR WARRANTY

SAFETY CERTIFICATIONS

UL60950-1 2nd Edition
CSA22.2, No. 60950-1 2nd Edition
EN60950-1 2nd Edition



STANDARD MODELS

Model Number	Output Voltage	Output Current	Output Power	Chassis Mount	Hot-Swap
L12-17-09	12V	17.0A	200W	✓	
L24-9-09	24V	9.0A	200W	✓	
L48-4.2-03-RH6	48V	4.2A	200W		✓
LE12-33-05-RH6	12V	33.0A	400W		✓
LE48-8.3-03-RH6	48V	8.3A	400W		✓

Contact the factory for other non-standard models.

SPECIFICATIONS

Typical at Nominal Line, Full Load and 25°C Unless Otherwise Noted. Subject to change without notice.

INPUT SPECIFICATIONS

L Series	85-264VAC
For operation from 100VAC to 85VAC derate output current linearly to 85%	
LE Series	85-264VAC
For operation from 105VAC to 85VAC derate output current linearly to 80%	
Power Factor	0.99
Input Frequency	47-63VAC
Inrush Current Limiting,	230VAC-50A
	115VAC-25A
Harmonic Distortion	EN61000-3-2

OUTPUT SPECIFICATIONS

Total Output Power, Continuous, Max	200-400 Watts
Voltage Adjustment Range, Min.	±5%
Total Regulation ¹	3.0%
Ripple & Noise, Pk-Pk, 20MHz Bandwidth)	1%
Holdup Time	8-16mS
Dynamic Response)	500µS
Minimum Load	0A
Overload Protection	Auto Recovery
Overvoltage Protection	Latched Shutdown
Remote Sense	Up to 0.25V Per Wire
Current Share	±10% Full Load Rating Typical
DC Power Good Signal	Note 2
Overtemperature protection	All Units Shutdown
Overtemp / Fail Fan Option	LE12 model Note 3

GENERAL SPECIFICATIONS

Efficiency	75-80% at Full Load
Conducted EMI	EN55022 Curve B
	FCC20780 pt 15J Curve B
Input Immunity, Conducted	
Fast Transients, Line-Line	±2kV (EN61000-4-4 Level 3)
Surges, Line-Line	±2kV (EN61000-4-5 Level 3)
Surges, Line-Ground	±4kV (EN61000-4-5 Level 3)
MTBF (Bellcore)	200,000 Hours

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C to 70°C Ambient
Derating	2.5%/°C, 50°C to 70°C
Storage Temperature	-40°C to +85°C
Cooling	Integral Ball Bearing Fan

PHYSICAL SPECIFICATIONS

Case Material	Aluminum
Dimensions, Inches (mm)	
L	1.58H x 1.86W x 11.32D (40.13 x 47.24 x 287.53)
LE	1.58H x 2.10W x 11.32D (40.13 x 53.34 x 287.53)
Weight	2.00 lbs. (0.90 kg.)

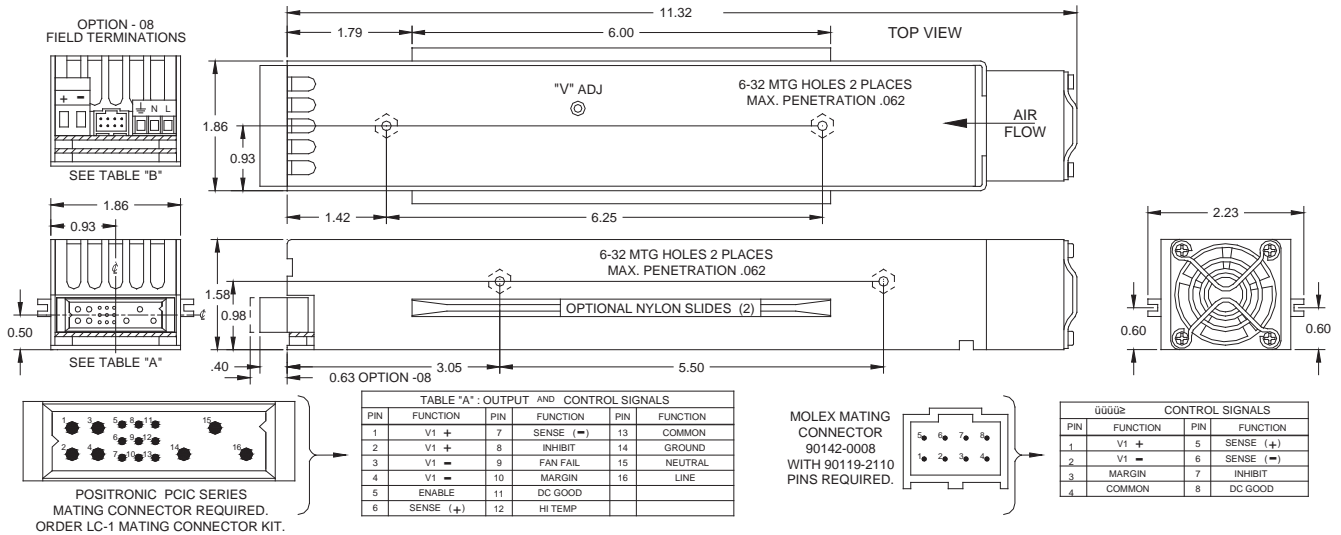
- NOTES:**
1. No load to full load, including line & load regulation and droop share.
 2. TTL compatible open collector Output Fail referenced to common pin when output drops by 10% or more.
 3. Hi-Temp: TTL compatible logic signal provides warning when unit approaches thermal shutdown.
Fan Fail: TTL compatible logic signal provides warning when fan speed is inadequate to cool unit.

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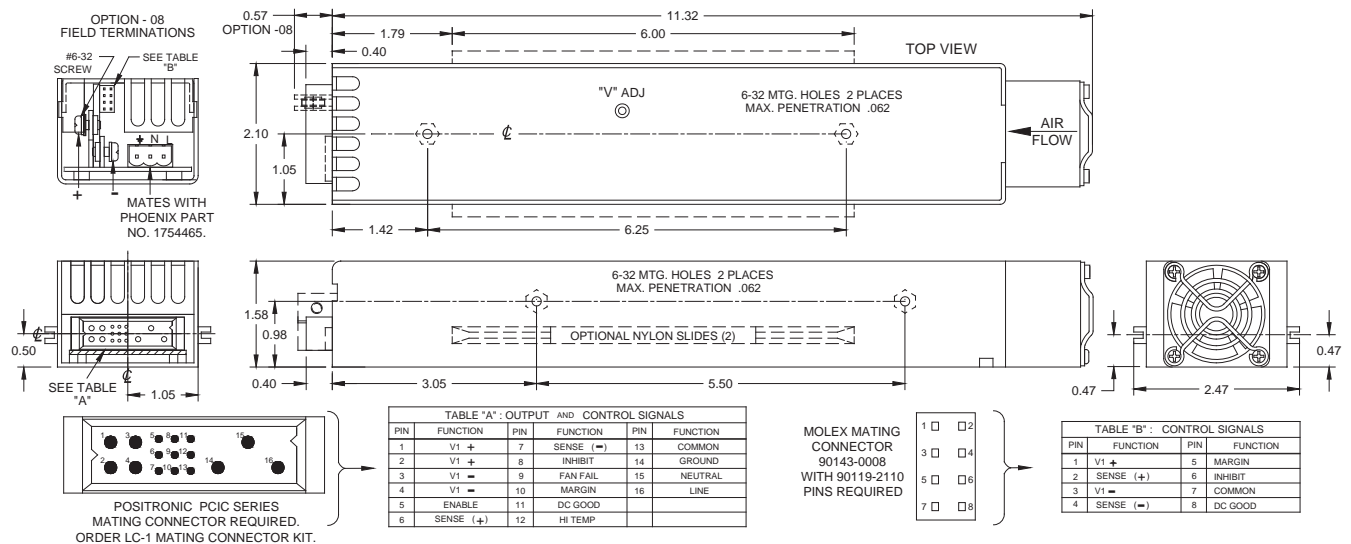
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MECHANICAL SPECIFICATIONS & CONNECTION DETAILS

L SERIES



LE SERIES



ALL DIMENSIONS IN INCHES (mm).

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